RUSHDEN URBAN DISTRICT

★

brary

ANNUAL REPORT

of the

Medical Officer of Health

for the

Year 1964

★

RUSHDEN URBAN DISTRICT

★

ANNUAL REPORT

of the

Medical Officer of Health

for the

Year 1964

★

PRINTED BY STANLEY L. HUNT (PRINTERS) LTD., GEORGE STREET, RUSHDEN, NORTHANTS

SUMMARY OF VITAL STATISTICS, 1964

Area (in acres)	3,777
Population 1961 (census)	17,377
,, 1964 (mid-year estimate)	17,490
Number of separate dwellings occupied 1961 (census) ...	6,107
,, ,, ,, ,, ,, 1964 31/3/1965 ...	6,489
Rateable Value, 1964 31/3/1965	£655,601
Product of a penny rate, 1964/65: Estimated	£2,700

Live Births

	Total	*Male*	*Female*
Legitimate	301	182	119
Illegitimate	18	9	9
	319	191	128

Rate per 1,000 population—18.24

Stillbirths

Legitimate	6	1	5
Illegitimate	1	—	1
	7	1	6

Rate per 1,000 live and still births—21.47

Deaths (all causes)	199	112	87

Rate per 1,000 population—11.38

Maternal Deaths

Deaths ascribed to pregnancy, childbirth and abortion—1

Infant Mortality

	Total	*Male*	*Female*
Legitimate	5	5	—
Illegitimate	1	1	—
	6	6	—

Rate per 1,000 live births—18.81

Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

https://archive.org/details/b3004859x

Rushden Urban District Council.

Members of the Public Health Committee :

Councillor C. Freeman (*Chairman*), Councillors H. W. Catlin, C. G. Faulkner, R. D. Gilhooley, C. Ginns, R. Griffiths, Mrs. G. Marriott, R. H. Marriott and Mrs. A. Swart

Councillor Alan Allebone, Chairman of the Council, was a member *ex-officio*.

Public Health Officers of the Local Authority :

Medical Officer of Health,

P. X. Bermingham, M.B., B.Ch., B.A.O., D.P.H.—Died 29th December, 1964.

Secretary :

Miss J. Pearson.

Chief Public Health Inspector, Meat Inspector :

H. W. Ellis, M.R.S.H., M.A.P.H.I.

Additional Public Health Inspector :

Post Vacant

Telephone :
Office : Northampton 34833

HEALTH DEPARTMENT,
COUNTY OFFICES,
GUILDHALL ROAD,
NORTHAMPTON.

February 1966

To the Chairman and Councillors of the Urban District of Rushden.

MADAM CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present the Annual Report on the Health and Sanitary Circumstances of the district for the year 1964.

I regret the delayed publication of the report which was due to the untimely death of Dr. P. X. Bermingham and the long period of vacancy due to the re-arrangement of the Districts.

Since Dr. Bermingham was Medical Officer for almost the whole period I have thought it fit to retain the report in the same form which has been used since 1939.

I regret that since I hardly knew the district during the period, I have had to restrict my comments to the individual sections so I have added a table of contents of sections. I would like to thank all those who helped me in compiling this report.

I have the honour to be,

Your obedient servant,

J. C. MACINNES,
Medical Officer of Health.

Contents

		PAGE
Section A	Natural and Social Conditions.	8
Section B	General Provision of Health Services.	11
Section C.	Sanitary Circumstances of the Area.	13
Section D.	Housing.	17
Section E.	Inspection and Supervision of Food.	19
Section F	Prevalence of and Control over Infectious Diseases	20
Section G	The Factories Act.	21
Section H	Statistical Tables.	22

SECTION A.

NATURAL AND SOCIAL CONDITIONS.

Area. The Urban District of Rushden covers 3,777 acres. There are a number of housing estates on the perimeter of the town and many of the houses in the town itself have open spaces in their vicinity. There are a number of parks and green spaces. The main industry is the manufacture of boots and shoes, but there are many other industries.

The density of population is 4.6 persons per acre. The number of separate dwellings is 6,489, and the housing factor is 2.7 persons per house.

Population. The Registrar General in his return for 1964 gives the population of Rushden as 17,490. This shows a decrease of 50 on the figure for the previous year. There was, however, a natural increase of 120 (i.e. births minus deaths).

Births. There were 319 births during the year, one less than in 1963. The birth rate of 18.24 per thousand population was the same as for 1963. The birth rate for England and Wales for 1964 was 18.4.

	Rushden		*County*	*England & Wales*
Year	*Total*	*Rate per* 1,000 *population*	*Rate per* 1,000 *population*	*Rate per* 1,000 *population*
1959	266	15.65	16.60	16.5
1960	269	15.69	17.70	17.1
1961	282	16.24	18.04	17.4
1962	293	16.77	18.37	18.0
1963	320	18.24	18.62	18.2
1964	319	18.24	19.10	18.4

Illegitimate Births. There were 19 illegitimate births compared with 24 in 1963 giving a rate of 58.28 per thousand births compared with 75.00 for the previous year.

Stillbirths. There were seven stillbirths compared with six in the previous year, the rate per 1,000 live and stillbirths was 21.47 compared with 13.46 for the County and 16.3 for England and Wales.

Deaths. Of the 199 deaths that occurred during the year, almost half (93) were due to diseases of the heart and circulatory system. Cancer accounted for a quarter (45) of the total, while only 5% (10) were due to respiratory causes, a marked decrease from 1963, when they formed 16% of the total.

There has been no significant difference statistically between the death rate for Rushden and that for the County or for England and Wales in recent years.

	Rushden		*County*	*England & Wales*
Year	*Total*	*Rate per* 1,000 *population*	*Rate per* 1,000 *population*	*Rate per* 1,000 *population*
1959	203	11.94	10.77	11.6
1960	191	11.14	10.88	11.5
1961	181	10.42	11.18	12.0
1962	203	11.61	11.07	11.9
1963	226	12.82	11.21	12.2
1964	199	11.38	10.56	11.3

Maternal Death. There was one maternal death, the first for ten years. It occurred in hospital following the delivery of the baby by caesarean section and was ascribed to cardio-respiratory failure, and eclampsia.

Infant Mortality. There were six infant deaths during the year, one more than 1963. The mortality rate was 18.81 per thousand live births compared with 15.62 for 1963.

The following table gives a comparison between the infant mortality rate for Rushden, the Administrative County and England and Wales over the last six years.

	Rushden		*County*	*England & Wales*
Year	*Total*	*Rate per* 1,000 *live births*	*Rate per* 1,000 *live births*	*Rate per* 1,000 *live births*
1959	7	26.31	20.20	22.0
1960	4	14.86	22.57	21.7
1961	3	10.63	17.61	21.4
1962	8	27.30	19.54	20.7
1963	5	15.62	17.92	20.9
1964	6	18.81	18.36	20.0

Neonatal Mortality. This is a sub-division of the infant mortality rate and concerns infant deaths within the first four weeks of life. Five of the infant deaths were in this period, the rate per 1,000 live births being 15.67 compared with 15.62 for 1963. The following table shows the neonatal mortality rate over the last six years.

	Deaths under one month per 1,000 live births					
	1959	**1960**	**1961**	**1962**	**1963**	**1964**
Rushden ...	22.55	14.86	10.63	13.65	15.62	15.67

Perinatal Mortality. A total of 11 cases (7 stillborn and 4 deaths under 1 week) are in this category, the mortality rate being 33.74 per 1,000 live and still births compared with 25.09 for the Administrative County.

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES.

Laboratory Service. The area is covered by the public health laboratory at Northampton which comes under Dr. Hoyle, and a laboratory at the Kettering General Hospital with a branch at the Rushden Memorial Hospital, The Hayway, Rushden, which comes under Dr. Voss. The Public Health Laboratory at Northampton provides facilities for the routine examination of water and milk samples, washed bottle rinses, churn rinses, and the examination of ice-cream and ice lolly samples. Both laboratories provide facilities for the examination of specimens in connection with the control of communicable diseases. The laboratories at The Hayway and the Park Hospital, Wellingborough, serve the public by providing facilities for the examination of specimens for patients on the direction of their own family doctor.

Ambulance Service, Nursing in the Home and Home Help. These services are provided by the County Council and the area is well covered. All three provide an excellent service to the community.

Hospital Accommodation and Out-patient Facilities. The Oxford Regional Hospital Board is responsible for these services, a list of which is as follows :

General Hospitals—Northampton and Kettering.

Wellingborough :

Wellingborough Hospital—Gynæcological and children.
Highfield Hospital—Acute medical and skin cases and children.
Park Hospital—Chronic sick, the aged and old persons in need of care and attention.
Maternity Block attached to the Park Hospital.

The Rushden House Sanatorium—Tuberculosis and other diseases of the chest. Also beds available for skin cases.

Northampton :

The Manfield Orthopædic Hospital.
Infectious Diseases—Harborough Road Hospital.

Out-patient facilities are available at the General Hospitals and also at the Rushden Memorial Hospital, The Hayway, Rushden. The following out-patient clinics are held at the Rushden Memorial Hospital :

Gynæcological ...	1st and 3rd Monday morning
	2nd and 4th Tuesday morning
Medical	1st, 3rd, 4th and 5th Monday afternoon
Surgical	1st and 3rd Tuesday afternoon
	2nd, 4th and 5th Friday morning
E.N.T.	2nd and 4th Wednesday morning
	1st, 3rd and 5th Wednesday afternoon
Eyes	1st and 3rd Thursday morning
Orthoptist	Every Thursday morning and afternoon
Urological	2nd and 4th Wednesday afternoon
Physiotherapy ...	Monday afternoons
Psychiatric	Every Friday afternoon
Skin	2nd and 4th Saturday morning
Paediatric	Wednesday mornings

Infant Welfare Centres. This service is supplied by the County Council and is held at the centre situated off Rectory Road. The welfare centre is held on Wednesday afternoons.

Rushden Senior Citizens' Goodwill Committee. This committee continued its good work amongst the old people in the town and I am grateful to the Hon. Secretary for letting me have a copy of his annual report.

During the year regular visits were made through the ward committees to old people who were in hospital and who might otherwise have felt lonely and forgotten. At Christmas some 1,000 parcels and 174 money gifts were distributed. The cost of these amounted to over £350.

Meals on Wheels. The W.V.S. maintained this service during the year and approximately 100 hot meals are delivered each week. Since the scheme started in 1957 a total of 25,933 meals have been delivered. The number for 1964 being 4,879.

Chiropody Service. This service is working to capacity. 162 patients received 597 treatments at the surgery, 62 patients received 301 home visits.

The County Welfare Authority arrange an annual holiday for old persons which is well supported.

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply. The Higham Ferrers and Rushden Water Board is the responsible authority for the supply to the district. Water provided by the Board is treated. The sources of supply are as follows :

Above Ground Source, Sywell Reservoir. This reservoir has a capacity of 236,000,000 gallons when full and is situated in the Wellingborough Rural District. The source of supply of this reservoir is from surface water from the surrounding catchment area, springs, and also two small brooks that flow into the reservoir. The area is 68½ acres. Treatment of water at these works consists of slow sand filtration, rapid gravel filters, followed by chlorination.

Underground Sources. (a) *Hardwater Crossing, Wollaston.* The source of supply at this site is from wells sunk in the Nene river gravels. These wells yield approximately 250,000 gallons a day. Water from this source is rather hard. Treatment consists of mechanical filtration followed by chlorination.

(b) *Ditchford.* Here water is extracted from the gravels by collector ducts which are laid in the alluvial gravels adjacent to Ditchford lake. Treatment of water consists of rapid gravel filtration, partial softening, aeration, and finally chlorination.

(c) Further sources of supply belonging to the Board are a gravel well at Earls Barton and springs at Grendon.

Quality of Water. The results of chemical analyses of water taken at Ditchford Pumping Station and Wollaston Pumping Station gave the following results :

	Final Water Wollaston Works	*Final Water Ditchford Works*
Physical Characters ...	... Very slight deposit, otherwise good	Good
Reaction	pH 7.4	7.6

	Wollaston	*Ditchford*
The sample contained :	*Parts per* 100,000	
Chloride	3.45	6.35
Ammonia (Free and Saline)	0.0018	absent
Ammonia (Albuminoid)	0.0154	0.0098
Oxygen absorbed in 3 hours at 37C° ...	0.1287	0.0891
Nitrates (expressed as Nitrogen) ...	absent	absent
Nitrites	absent	absent
Poisonous metals	absent	absent
Calcium	5.95	10.62
Magnesium	0.45	1.10
Alkalinity ($CaCO^3$)	13.80	19.94
Hardness : Total	16.2	25.1
Permanent	7.8	12.2
Temporary	8.4	12.9

Water Samples. 377 samples were taken in the area of the Board during the year. Samples of treated water all gave satisfactory results.

Water Consumption. The following are the combined figures for Rushden and Higham Ferrers :

	gallons
Average daily consumption	790,207
Domestic Use :	
Average per day	662,079
Trade Use :	
Average per day	128,128
Consumption/Head/Day	
Domestic	30.79
Trade	5.96

Piped Water Supply. New Services—Private, 104 ; Council, 3 (number of ferrules, not houses).

The rainfall over the past 12 years was as follows :

	1953	**1954**	**1955**	**1956**	**1957**	**1958**	**1959**	**1960**
Rushden ...	18.64	28.44	18.69	22.83	23.72	26.85	18.4	31.64
Sywell ...	17.10	27.26	17.92	25.23	24.51	30.54	20.5	33.74

1961	**1962**	**1963**	**1964**
18.90	19.27	21.45	18.22
20.80	18.91	22.23	16.35

Sewage Disposal, Drainage and Sewerage. The Sewage disposal plant for the town is situated off the Wellingborough Road and is well screened. The new works were completed during the year.

Court Estate. A scheme for drainage to the whole of Avenue Road, part of Bedford Road and Newton Road, together with a relief sewer from Harborough Road to Duck Street, was prepared and forwarded to the Ministry towards the end of 1963. The scheme provides for replacing the present temporary works at Court Estate with a pumping station so that all sewage is passed to the main works for treatment.

Trade Effluents. Council investigated trade wastes and effected trade effluent agreements with industry in 1964.

Disinfection. A steam disinfection station is maintained by the Council. Articles of clothing and bedding associated with cases of infectious disease are sent here for disinfection. A service is also provided by request for neighbouring authorities to have similar work carried out.

Disinfection of houses following cases of infectious disease is carried out where necessary.

Swimming Baths. An open-air swimming pool is run by the Council and this amenity is much appreciated by the town.

Movable Dwellings. There is one licensed site for caravans. This is situated off the Bedford Road. It is a very well maintained site and the necessary amenities for the caravan dwellers are provided.

Public Cleansing. There is a weekly collection of household refuse and also facilities available for the tipping of trade waste. The tip is situated off the Bedford Road and controlled tipping is carried out.

Atmospheric Pollution. The following figures give a comparison between the results of the deposit gauges and the estimated sulphur in the atmosphere by the lead peroxide method. Rainfall is also given.

Month	*Rainfall Inches*		*Deposited Matter Tons per sq. mile*		*Deposited Sulphur Milligrammes per 100 sq. centimetres*	
	1963	**1964**	**1963**	**1964**	**1963**	**1964**
January ...	0.87	0.79	10.64	5.40	1.97	1.83
February ...	0.55	0.87	8.40	9.87	1.94	1.59
March	1.97	3.11	10.24	9.57	1.48	0.99
April	2.36	2.05	9.64	10.21	0.93	1.05
May	1.10	1.06	7.60	5.24	0.85	0.67
June	2.05	3.19	7.60	6.94	0.57	0.60
July	1.26	0.87	3.77	4.84	0.46	0.39
August ...	3.07	1.02	7.90	5.10	0.60	0.57
September ...	2.60	0.95	6.47	6.78	0.64	0.56
October ...	0.79	0.95	4.94	6.34	1.16	1.20
November ...	3.55	0.75	9.97	6.67	1.18	0.86
December ...	0.39	0.99	8.37	5.47	1.40	1.58

The SO^2 figure shows a slight decrease over the previous year and has never reached a dangerously high figure. The deposited matter also shows a decrease. These figures show that there is no serious pollution of the atmosphere in Rushden.

Noise Abatement Act, 1960. We live in a noisy era. Noise is detrimental to health, and a solution to problems created must always be sought. The Council is responsible for investigating complaints under this Act, although it is often difficult to find a satisfactory solution to noise nuisance.

SECTION D.

HOUSING.

The Council's building programme for the year was as follows:

No. of council houses constructed	13
No. under construction at the end of the year	35
No. of houses built by the Council since the war ...	987
Private houses constructed during the year	77
Private houses under construction at the end of the year	141

A scheme for the construction of dwellings for old folk is in hand and this should provide extra accommodation for old persons in the area.

Clearance of Unfit Properties. Action taken by the Council during the year was as follows :

Houses Demolished

Clearance Areas :

388 and 390 Wellingborough Road	2 houses
3 and 3a College Street	2 houses
24-34 Newton Road	6 houses

Individual Unfit Houses :

11 and 13 Rectory Road	2 houses

Closing and Demolition Orders

Individual Unfit Houses :

78a Wellingborough Road	Closing Order
78b Wellingborough Road	Closing Order
100 Cromwell Road	Demolition Order
4 Washbrook Road	Closing Order
20 Bedford Road	Closing Order

Housing Applicants. The situation with regard to applicants for Council houses was as follows :

On general housing list	*In Rooms*	*Tenants*	*Engaged Couples*	*Total*
(a) Having completed a waiting period of 9 months	20	95	5	120
(b) Under 9 months (50% of nominal list)	—	—	—	40
(c) Applications for bungalows and 1 bedroomed flats	16	89	—	105
(d) Awaiting re-housing from clearance areas	—	—	—	21
				286

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

Food Premises. In order to maintain satisfactory high standards of food hygiene, frequent inspections of food premises are necessary. Routine inspections can only be carried out when personnel are available, but with shortage of staff, this important work suffers and as a result no samples of milk or ice-cream were taken.

Manufacture and Sale of Ice-Cream. 72 premises are registered for the sale of ice-cream. One for bulk, one for cold mix and 70 for pre-packed.

SECTION F.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES

Tuberculosis. There were five cases of tuberculosis notified, two respiratory and three non-respiratory, and one death from tuberculosis occurred, the first for three years. It would seem that the position is static (see section H, table 2).

The number of cases on the tuberculosis register was as follows :

	Males	*Females*	*Total*
Pulmonary Tuberculosis	23	15	38
Non-pulmonary Tuberculosis	11	19	30
	34	34	68

There is a very active After-Care Committee in the town which continued to carry out its excellent work during the year. Patients suffering from other disorders of the chest are also assisted. Grants of milk, eggs and provisions are made to patients, and members of the committee visit patients in hospital.

Other diseases notified :

Measles	29
Whooping Cough	4
Scarlet Fever	3
Erysipelas	1
Paratyphoid Fever	1

There were no cases of smallpox, cerebrospinal fever, diphtheria, puerperal fever, poliomyelitis, food poisoning or dysentery, or infective hepatitis.

There were no cases of pneumonia notified, but three deaths were ascribed to the disease by the Registrar General. This discrepancy is due probably not so much to a failure to notify the disease, as to confusion over the term pneumonia. In many cases of death the infection in the lung only occurs because the body's defences have become run down. This is in marked distinction to the acute disease which used to occur in previously healthy individuals, a disease, which has been almost eliminated by antibiotics.

In view of this confusion, and that epidemiologically there seems little advantage in knowing about cases, there seems little point in retaining this as a notifiable disease.

SECTION G.

THE FACTORIES ACT, 1937 TO 1961

There are 152 premises on the register. Twenty-six inspections were carried out during the year. Further information is given in Section H, Table No. 8. Under Section 133, the number of outworkers (Part VIII of the Act) in the August list totalled 113, of whom 107 were concerned with making wearing apparel and 6 making stuffed toys.

SECTION H.

STATISTICAL TABLES.

TABLE No. 1.

CAUSES OF DEATH, 1964.

Causes of Death	*Male*	*Female*	*Total*
1. Tuberculosis, respiratory	1	—	1
2. Tuberculosis, other	—	—	—
3. Syphilitic disease	—	—	—
4. Diphtheria	—	—	—
5. Whooping Cough	—	—	—
6. Meningococcal infections	—	—	—
7. Acute poliomyelitis	—	—	—
8. Measles	—	—	—
9. Other infective and parasitic diseases ...	—	—	—
10. Malignant neoplasm, stomach	5	4	9
11. Malignant neoplasm, lung, bronchus	10	1	11
12. Malignant neoplasm, breast	—	1	1
13. Malignant neoplasm, uterus	—	1	1
14. Other malignant and lymphatic neoplasms ...	11	12	23
15. Leukæmia, aleukæmia	—	1	1
16. Diabetes	1	1	2
17. Vascular lesions of nervous system	9	16	25
18. Coronary disease, angina	32	15	47
19. Hypertension with heart disease	2	5	7
20. Other heart disease	6	8	14
21. Other circulatory disease	6	5	11
22. Influenza	1	—	1
23. Pneumonia	2	1	3
24. Bronchitis	5	1	6
25. Other diseases of respiratory system	—	—	—
26. Ulcer of stomach and duodenum	1	—	1
27. Gastritis, enteritis and diarrhoea	—	—	—
28. Nephritis and nephrosis	—	—	—
29. Hyperplasia of prostate	2	—	2
30. Pregnancy, childbirth, abortion	—	1	1
31. Congenital malformations	—	—	—
32. Other defined and ill-defined diseases ...	8	6	14
33. Motor vehicle accidents	2	—	2
34. All other accidents	3	6	9
35. Suicide	5	2	7
36. Homicide and operations of war	—	—	—
	112	87	199

TABLE No. 2.

DEATHS FROM SELECTED CAUSES, 1929-1964.

Year	*Non-Pulmonary Tuberculosis*		*Pulmonary Tuberculosis*		*Cancer*		*Diseases of Heart and Blood Vessels*		*Bronchitis, Pneumonia and other Respiratory Diseases*	
	No.	*Rate*	*No.*	*Rate*	*No.*	*Rate*	*No.*	*Rate*	*No.*	*Rate*
1929	—	—	12	0·85	21	1·49	39	2·76	9	0·64
1930	1	0·08	7	0·49	11	0·78	38	2·71	16	1·14
1931	—	—	10	0·70	17	1·18	47	3·29	23	1·61
1932	1	0·07	10	0·70	10	0·70	48	3·37	18	1·26
1933	2	0·13	14	0·97	20	1·39	53	3·69	9	0·62
1934	1	0·07	10	0·69	22	1·52	81	5·62	9	0·62
1935	6	0·41	5	0·34	16	1·09	51	3·50	12	0·82
1936	3	0·20	9	0·61	18	1·22	66	4·47	12	0·81
1937	—	—	4	0·26	21	1·41	68	4·56	10	0·67
1938	—	—	10	0·66	23	1·52	69	4·57	7	0·46
1939	1	0·06	11	0·70	23	1·46	57	3·63	9	0·57
1940	3	0·17	10	0·60	32	1·92	78	4·69	23	1·38
1941	1	0·06	13	0·52	32	1·81	79	4·48	26	1·47
1942	1	0·06	7	0·43	28	1·72	72	4·42	13	0·80
1943	—	—	5	0·32	32	2·00	51	3·29	20	1·29
1944	4	0·26	7	0·46	22	1·45	101	6·66	22	1·45
1945	2	0·14	4	0·28	24	1·76	101	7·17	9	0·63
1946	3	0·19	7	0·46	29	1·90	106	6·31	18	1·18
1947	1	0·06	8	0·51	15	0·97	115	7·44	17	1·10
1948	—	—	6	0·36	30	1·83	95	5·82	16	0·98
1949	2	0·12	7	0·42	31	1·88	123	7·49	23	1·40
1950	—	—	3	0·18	34	2·06	117	7·10	26	1·57
1951	1	0·06	3	0·18	26	1·60	93	5·73	24	1·47
1952	2	0·12	8	0·49	41	2·52	102	6·27	17	1·04
1953	—	—	3	0·18	28	1·70	85	5·18	16	0·97
1954	—	—	1	0·06	29	1·75	110	6·65	19	1·14
1955	—	—	—	—	28	1·69	108	6·52	18	1·08
1956	—	—	1	0·06	25	1·50	133	8·02	23	1·38
1957	—	—	—	—	34	2·03	84	5·03	16	0·95
1958	—	—	1	0·05	39	2·31	91	5·42	15	0·89
1959	—	—	3	0.17	39	2.29	112	6.59	14	0.82
1960	—	—	1	0.05	41	2.39	94	5.48	23	1.34
1961	—	—	2	0.11	40	2.30	84	4.83	26	1.49
1962	—	—	—	—	43	2.46	98	5.03	24	1.31
1963	—	—	—	—	28	1.71	113	6.44	36	2.05
1964	—	—	1	0.06	45	2.57	93	5.32	10	0.57

TABLE No. 3.

CAUSES OF DEATHS OF CHILDREN UNDER ONE YEAR—1964.

Age	*Causes of Death*	*Total*
Under one week	Premature Birth	3
Under one week	Injury at Birth	1
2-3 weeks ...	Bronchitis and Penumonia ...	1
5-52 weeks ...	Enteritis and Diarrhoea ...	1
	TOTAL ...	6

DEATH AND BIRTH RATES FOR 1899-1964.

Year	Estimated Population mid-year	Net Births		Net Deaths belonging to District			
				Under 1 year		At all Ages	
		No.	Rate per 1,000	No.	Rate per 1,000	No.	Rate per 1,000
1899	12,245	463	37·8	49	105·8	145	11·8
1900	14,359	434	30·2	65	149·0	153	10·6
1901	12,453	424	33·6	46	108·4	123	9·7
1902	12,961	407	31·4	50	122·8	133	10·2
1903	13,337	404	30·2	37	91·5	139	10·4
1904	13,713	387	28·2	46	118·8	162	11·8
1905	14,089	328	23·2	36	109·7	119	8·4
1906	14,190	351	24·7	40	113·9	122	8·5
1907	14,816	315	21·2	25	79·3	131	8·1
1908	15,192	310	20·4	35	112·9	122	8·0
1909	15,817	284	17·9	31	109·1	130	8·2
1910	16,442	278	16·9	20	71·9	128	7·7
1911	13,377	281	21·0	29	103·2	130	9·7
1912	13,658	287	21·0	24	83·6	121	8·8
1913	13,752	237	17·2	19	80·1	118	8·7
1914	13,915	246	17·6	18	73·1	124	8·9
1915	13,787	277	19·9	30	108·3	145	10·5
1916	13,531*	256	17·3	15	58·5	138	10·1
1917	12,315*	200	14·5	12	60·0	123	9·9
	13,728†						
	14,722†						
1918	12,900*	158	12·7	8	43·2	129	10·0
	14,454†						
1919	13,850*	206	14·2	27	131·0	153	11·0
	14,428†						
1920	14,402	328	22·7	24	73·1	133	9·2
1921	13,720	273	19·8	22	80·5	147	10·7
1922	13,740	247	17·9	19	76·9	132	9·6
1923	13,790	243	17·6	12	49·3	131	9·4
1924	13,750	198	14·4	11	55·5	135	9·8
1925	13,780	211	15·3	13	61·6	138	10·0
1926	13,520	208	15·3	6	28·8	131	9·7
1927	13,550	174	12·8	10	57·4	139	10·2
1928	13,650	174	12·0	10	57·4	146	10·6
1929	14,020	174	12·4	9	51·7	127	9·0
1930	14,020	191	13·6	7	36·6	121	8·6
1931	14,280	161	11·3	8	49·7	154	10·8
1932	14,240	170	11·9	10	58·8	142	9·9
1933	14,370	168	11·7	7	47·6	159	11·1
1934	14,410	161	11·2	8	49·7	180	12·5
1935	14,550	176	12·1	15	85·2	155	10·7
1936	14,740	182	12·3	5	27·5	167	11·3
1937	14,890	191	12·9	6	31·4	155	10·4
1938	15,090	192	12·7	6	31·3	160	10·6
1939	15,690*	225	14·2	6	26·7	152	9·7
	15,200†						
1940	16,580	200	12·4	16	77·7	233	14·1
1941	17,600	193	10·9	11	54·1	185	10·5
1942	16,250	251	15·5	6	23·9	163	10·0
1943	15,490	281	18·1	8	28·4	172	11·1
1944	15,140	278	18·4	15	53·9	202	13·3
1945	14,070	282	20·0	14	49·6	176	12·6
1946	15,210	270	17·74	9	33·33	215	14·13
1947	15,440	308	19·94	8	25·97	200	12·95
1948	16,320	283	17·34	9	31·80	184	11·27
1949	16,410	219	13·34	3	13·69	221	13·46
1950	16,460	227	13·79	10	44·05	222	13·48
1951	16,220	199	12·26	1	5·02	218	13·44
1952	16,250	200	12.30	1	5.00	204	12.55
1953	16,390	229	13.97	2	8.73	156	9.51
1954	16,540	229	13.84	7	30.56	187	11.30
1955	16,560	221	13.34	7	31.67	187	11.29
1956	16,580	221	13.32	2	9.04	209	12.60
1957	16,670	233	13.97	5	21.45	162	9.71
1958	16,760	242	14.43	3	12.39	175	10.44
1959	16,990	266	15.65	7	26.31	203	11.94
1960	17,140	269	15.69	4	14.86	191	11.14
1961	17,360	282	16.24	3	10.63	181	10.42
1962	17,470	293	16.77	8	27.30	203	11.61
1963	17,540	320	18.25	5	15.62	226	12.82
1964	17,490	319	18.24	6	18.81	199	11.38

(*) Estimated population for calculation of Birth Rates.
(†) Estimated population for calculation of Death Rates.

COMPARISON OF STILLBIRTHS, ILLEGITIMATE BIRTHS AND MASCULINITY OF BIRTH.

1934-64.

Year	*Stillbirths per* 1,000.		*Illegitimate births per* 1,000 *live births.*	*Male births per* 1,000 *live female births.*
	Population of all ages.	*Total births (live and still).*		
1934	0·55	47·32	49·69	1038
1935	0·76	58·83	39·77	934
1936	0·27	21·51	54·94	1166
1937	0·27	20.51	26·18	1010
1938	0·26	20·41	52·30	1087
1939	0·51	34·34	48·89	1008
1940	0·42	33·89	25·00	923
1941	0·51	44·54	56·99	1144
1942	0·31	19·54	75·70	1002
1943	0·89	47·45	53·46	1006
1944	0·55	32·05	133·09	1122
1945	0·21	20·83	95·74	1389
1946	0·39	21·73	55·55	1368
1947	0·38	25·47	32·46	1013
1948	0·61	34·12	42·40	1035
1949	0·12	9·04	36·52	1126
1950	0·30	21·55	30·83	1026
1951	0·18	14·85	35·17	809
1952	0.12	9.90	50.00	1000
1953	0.61	41.84	43.66	1385
1954	0.18	12.93	69.86	1063
1955	0.30	22.12	45.24	1046
1956	0.30	22.12	36.19	1302
1957	0.35	20.92	30.04	1099
1958	0.29	20.24	37.19	819
1959	0.35	22.05	71.42	1180
1960	0.23	14.65	22.30	921
1961	0.34	20.83	46.09	880
1962	0.17	10.13	51.19	927
1963	0.34	18.40	75.00	964
1964	0.40	21.47	58.28	1492

TABLE No. 6.

MEASLES AND WHOOPING COUGH.
AGE AND SEX INCIDENCE.

Age Periods	*Measles*		*Whooping Cough*	
	Males	*Females*	*Males*	*Females*
— 6 months ...	—	—	—	—
—12 ,, ...	—	1	1	—
—18 ,, ...	—	—	—	—
— 2 years ...	—	1	—	—
—2½ ,, ...	1	2	—	—
— 3 ,, ...	3	1	—	1
— 4 ,, ...	4	1	—	—
— 5 ,, ...	3	3	—	—
—10 ,, ...	5	3	1	1
—15 ,, ...	—	—	—	—
15 ,,+ ...	1	—	—	—
ALL AGES	17	12	2	2
TOTALS	29		4	

TABLE No. 7.

QUARTERLY INCIDENCE OF NOTIFIABLE DISEASES—1964
(Other than Tuberculosis.)

	1st Quarter	*2nd Quarter*	*3rd Quarter*	*4th Quarter*	*Totals*
Scarlet Fever ...	2	—	1	—	3
Measles ...	—	3	18	8	29
Whooping Cough	2	2	—	—	4
Erysipelas ...	—	—	1	—	1
Para-Typhoid	—	—	1	—	1
TOTALS ...	4	5	21	8	38

TABLE NO. 8.

Prescribed particulars on the administration of the Factories Act, 1961 for the year 1964.

PART I OF THE ACT

1.—Inspections for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

Premises	*Number on Register*	*Number of*		
		Inspections	*Written notices*	*Occupiers prosecuted*
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	5	—	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	145	26	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	2	—	—	—
TOTAL ...	152	26	*Nil*	*Nil*

2.—Cases in which **defects** were found—*Nil.*